



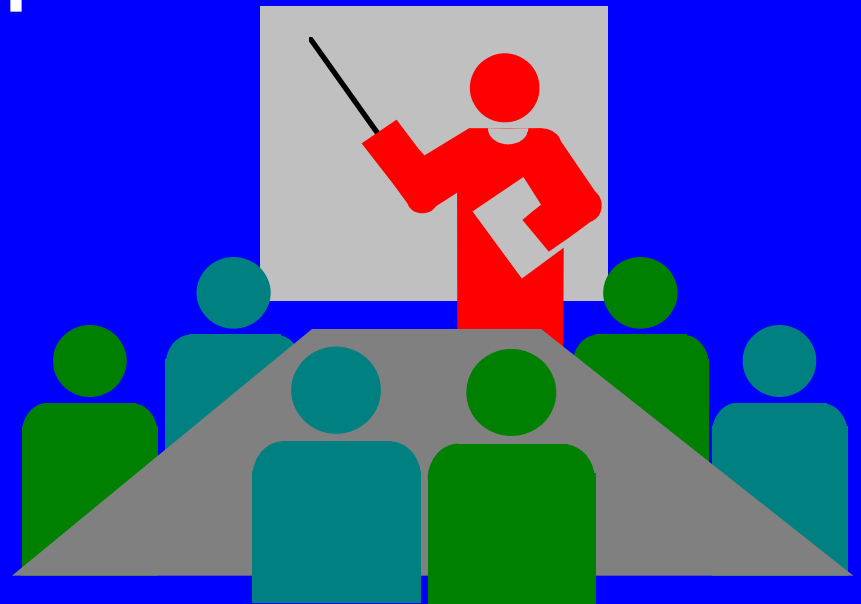
# **Winter Recreation/ Off-Duty Safety**

# How to Prevent Mishaps



# **Risk Management - Five Step Process**

- **Hazard Identification**
- **Assess Hazards**
- **Make Risk Decisions**
- **Implement Controls**
- **Supervise/Evaluate**



# Scenario

**In October Navy Family Housing occupants experienced first really cold day. Occupants shifted from a/c to heating system. The next day at 0750, wife's co-worker became concerned when she hadn't arrived at work. Co-worker made several unanswered calls and at 0900, drove to residence. There was no response to knocks despite both cars being in the driveway. At 1200 , co-worker called base security, who entered residence with a key. A Sailor and his four dependents died from Carbon Monoxide poisoning.**



# 1. Hazard Identification

## Hazards

- Missing Co Alarm
- Faulty Furnace
- Closed Fresh Air Make-up Vents
- Dirty/Clogged Filters
- Air Register Obstructed
- Blocked Chimney Flue
- Fuel Space Heaters



# 2. Assess Hazards

## Hazards

## Severity/Probability

- Faulty Furnace
- Fresh Make-up Air Vent Closed
- Dirty/Clogged Air Filters
- Return Air Vent Obstructed
- Blocked Chimney Flue
- Defective Fuel Space Heaters
- Missing CO Alarm

Catastrophic/Likely To Occur

Catastrophic/Likely To Occur

Marginal/May Occur

Marginal/May Occur

Catastrophic/Likely To Occur

Catastrophic/Likely To Occur

Catastrophic/Likely To Occur

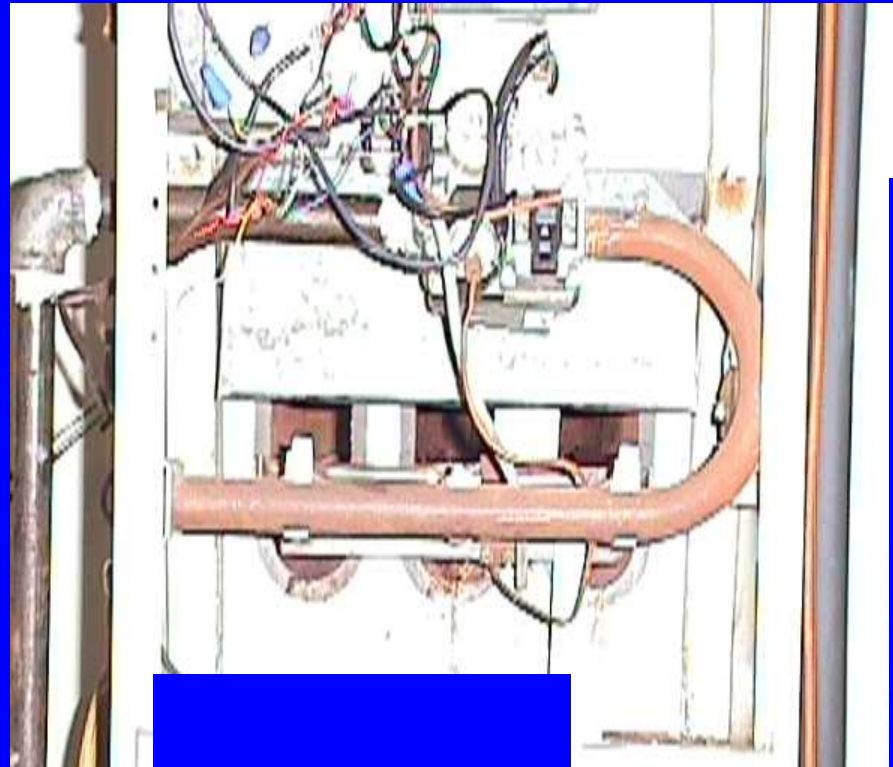




# 3. Make Risk Decisions

## Hazards

- Missing CO Alarm
- Fresh Make-up Air Vent Closed
- Faulty Furnace
- Blocked Chimney Flue
- Defective Fuel Space Heaters
- Dirty/Clogged Air Filters
- Return Air Vent Obstructed



# 4. Implement Controls

## Hazards

- Missing Co Alarm
- Fresh Make-up Air Vent Closed
- Faulty Furnace
- Blocked Chimney Flue
- Fuel Space Heaters
- Dirty/Clogged Air Filters
- Return Air Vent Obstructed

## Controls

**Install Alarm**

**Establish Appropriate PM Schedule - QA Work**

**Disallow Use In Quarters**

**Change Filters Quarterly (Monthly For Pets)**

**Keep Furniture Away From Vents**





# 5. Supervise

- Housing inspector verifies alarm operation during occupant check-in/check-out - ensure return air duct not blocked - inform occupants on their responsibility to change air filters
- Implement policy to ensure that CO awareness is publicized prior to and during each heating system
- Annual fire department inspection of housing units to include proper maintenance and operation of CO alarms



# Eliminating Falls Around The Home

- **Light Stairways**
- **Non-Skid Backing On Rugs**
- **Trip Hazards Off Stairways**
- **Ladders Not Chairs For Reaching Objects**



# Fire Safety In The Home

- Practice Exit Drills
- Be Attentive When Cooking
- Keep Matches And Lighters Out Of The Reach Of Children
- Don't Overload Electrical Outlets



# Fireplace Safety

- **Get A Professional Check**
- **Do Not Use Flammable Liquids On The Fire**
- **Keep The Damper Open**
- **Use A Screen**
- **Make Sure Smoke And Co Alarms Are Working**





# Kerosene Heater And Coal Stove Safety

- Check With Your Housing Office
- Follow The Owner's Manual Guidelines
- Use Fuel Appliances In Well Ventilated Areas



# Christmas Tree Safety

- **Check For Freshness**
- **Place It Away From Fireplaces And Radiators**
- **Before Mounting, Cut Its Base So It Can Absorb Water**
- **Check The Water Level Daily**



# Decorations Need Extra Care

- **Approved Lights Only**
- **Frayed Wires And Broken Bulbs**
- **Flame-resistant Trimmings**
- **Going To Bed Or Leaving The House - Lights Off**





# Keep The Magic In Holiday Parties

- Snacks And Non Alcoholic Drinks
- Large Ashtrays For Smokers
- Provide Rides Home



# Hypothermia Kills

**Head**

**Lower  
Torso**

Under  
Arms




# Snow Skiing Safety

- **Training**
- **Safety Equipment**
- **Layers Of Clothing**
- **Ski Regulations**
- **Stay On Marked Trails**
- **Ski Within Your Limits**
- **Alcohol And Skiing Don't Mix**



# Snowmobile Safety

- 
- **Training**
  - **Follow Owners Manual Guidelines**
  - **Safety Helmet With Chin Strap**
  - **Eye Protection**
  - **Thin Layers Of Clothing, Boots And Gloves**
  - **No Alcohol**

# Skating On Ice Can Be Fatal

- Skate At Commercial Rinks, If Possible
- Use Supervised Areas With Ice Four Inches Thick
- Ensure Rescue Ropes And Ladders Are Available
- Skate With A Friend



# Clearing Snow Safely



- Use A Snow Shovel With A Long Handle
- Lift With Leg Muscles, Not The Back
- Know Your Limits
- Do Not Smoke Or Drink Alcohol

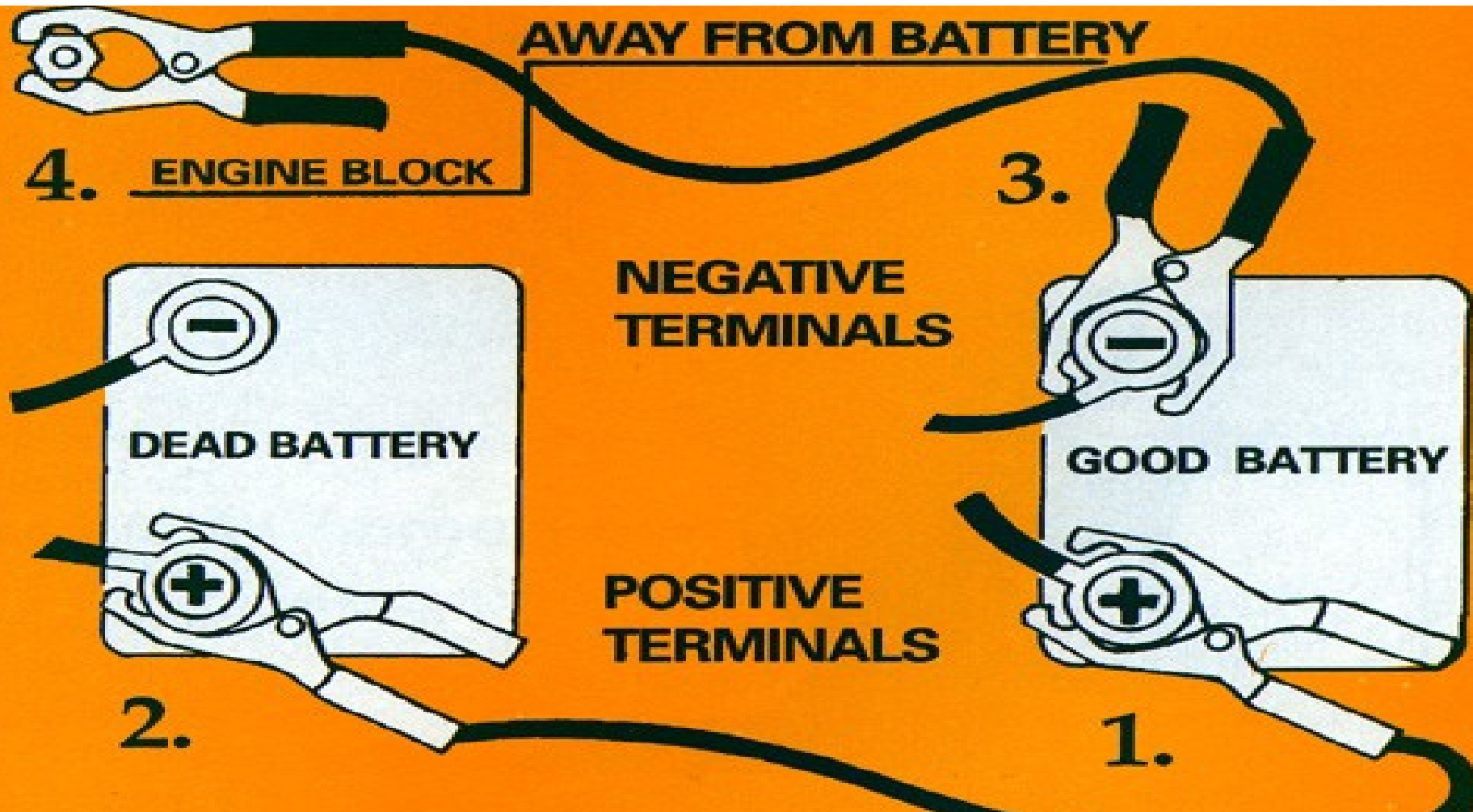
# Chainsaw Safety

- **Follow Manufacturer's Recommendations**
- **Training**
- **PPE**
- **Anti-Kickback Devices**
- **Cut Between Knee And Waist**
- **Safe Refueling**





# How To Jump-Start A Vehicle



A skier in a bright yellow and red suit is captured mid-jump, clearing a snow ridge. The skier is wearing a white helmet and goggles, and is holding ski poles. A large cloud of snow is kicked up behind the skier. In the background, a tall evergreen tree stands against a cloudy sky.

The End